

=>  
Uploading 902.str

02/25/98

L8 STRUCTURE UPLOADED

=> s 18

SAMPLE SEARCH INITIATED 08:33:02  
SAMPLE SCREEN SEARCH COMPLETED - 0 TO ITERATE  
100.0% PROCESSED 0 ITERATIONS 0 ANSWERS  
SEARCH TIME: 00.00.02

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*  
BATCH \*\*COMPLETE\*\*  
PROJECTED ITERATIONS: 0 TO 0  
PROJECTED ANSWERS: 0 TO 0

L9 0 SEA SSS SAM L8

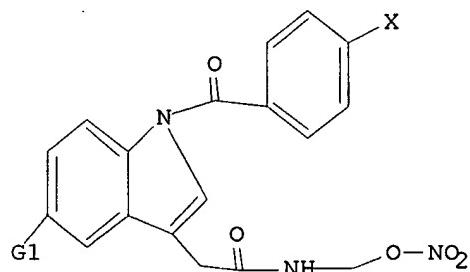
=> s 18 full

FULL SEARCH INITIATED 08:33:09  
FULL SCREEN SEARCH COMPLETED - 2 TO ITERATE  
100.0% PROCESSED 2 ITERATIONS 0 ANSWERS  
SEARCH TIME: 00.00.03

L10 0 SEA SSS FUL L8

=> d 18

L8 HAS NO ANSWERS  
L8 STR



G1 MeO, Eto

Structure attributes must be viewed using STN Express query preparation.

=> fil marpat

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	114.46	315.75

FILE 'MARPAT' ENTERED AT 08:33:24 ON 25 FEB 1998  
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.  
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.  
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MOST RECENT CITATIONS FOR PATENTS FROM FIVE MAJOR ISSUING AGENCIES  
 (COVERAGE TO THESE DATES IS NOT COMPLETE):

US	5700895	23 DEC 1997
DE	19725447	18 DEC 1997
EP	814124	29 DEC 1997
JP	10016376	20 JAN 1998
WO	9749682	31 DEC 1997

NOTICE: MARPAT started covering 1998 patents on 9 February 1998,  
 with the first entry at 128:61273 for JP10001462 A2, published on  
 6 January 1998.

\*\*\* YOU HAVE NEW MAIL \*\*\*

=> s 18

SAMPLE SEARCH INITIATED 08:33:29  
 SAMPLE SCREEN SEARCH COMPLETED - 7 TO ITERATE  
 100.0% PROCESSED 7 ITERATIONS 0 ANSWERS  
 SEARCH TIME: 00.00.21

FULL FILE PROJECTIONS:	ONLINE	**COMPLETE**
	BATCH	**COMPLETE**
PROJECTED ITERATIONS:	7 TO	299
PROJECTED ANSWERS:	0 TO	0

L11 0 SEA SSS SAM L8

=> s 18 full

FULL SEARCH INITIATED 08:33:57  
 FULL SCREEN SEARCH COMPLETED - 150 TO ITERATE  
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 100.0% PROCESSED 150 ITERATIONS 1 ANSWERS  
 SEARCH TIME: 00.00.35

L12 1 SEA SSS FUL L8

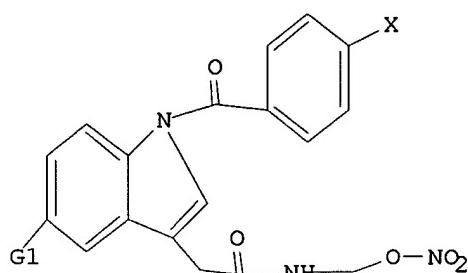
=> d 112 bib ab

L12 ANSWER 1 OF 1 MARPAT COPYRIGHT 1998 ACS  
 AN 123:82961 MARPAT  
 TI Preparation of organic nitrate esters having antiinflammatory and/or  
 analgesic activity  
 IN Del Soldato, Piero  
 PA Nicox Ltd., Ire.  
 SO PCT Int. Appl., 46 pp.  
 CODEN: PIXXD2  
 PI WO 9509831 A1 950413  
 DS W: AM, AU, BB, BG, BR, BY, CA, CN, CZ, EE, FI, GE, HU, JP, KG, KP,  
 KR, KZ, LK, LR, LT, LV, MD, MG, MN, NO, NZ, PL, RO, RU, SI, SK,  
 TJ, TT, UA, US, UZ, VN  
 RW: AT, BE, BF, BJ, CF, CG, CH, CI, CM, DE, DK, ES, FR, GA, GB, GR,  
 IE, IT, LU, MC, ML, MR, NE, NL, PT, SE, SN, TD, TG  
 AI WO 94-EP3182 940923  
 PRAI GB 93-20599 931006  
 IT 94-MI916 940510  
 DT Patent  
 LA English  
 OS CASREACT 123:82961  
 AB The title compds. MCOY[C(A)(B)]nONO<sub>2</sub> [A, B = H, (un)branched alkyl;

M = Q1, Q2, 2-(6-methoxy)naphthyl, etc.; n = 1-10], usually as analgesics, antiinflammatory agents, and blood platelet aggregation inhibitors, are prepd. Thus, 2-(6-methoxy-2-naphthyl)propionic acid was converted into its Na carboxylate salt with NaOEt, the salt condensed with 1-bromo-4-chlorobutane, and the 4-chlorobutyl 2-(6-methoxy-2-naphthyl)propionate intermediate nitrated by reaction with AgNO<sub>3</sub>, producing the 4-nitratabutyl ester, II.

L8

STR



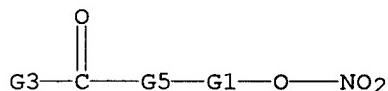
G1 MeO, EtO

Structure attributes must be viewed using STN Express query preparation.

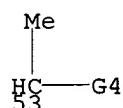
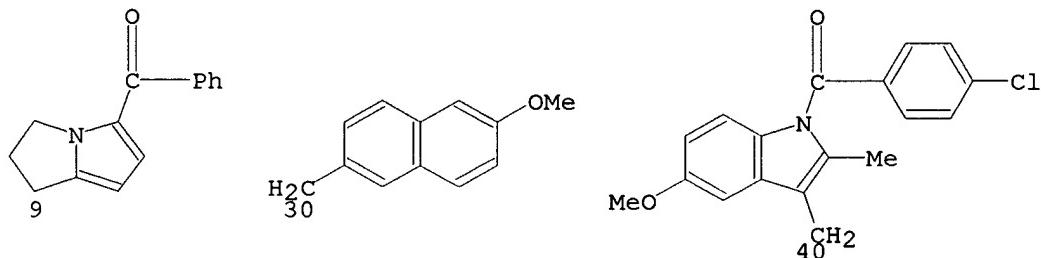
=> d 112 ide can

L12 ANSWER 1 OF 1 MARPAT COPYRIGHT 1998 ACS  
AN 123:82961 MARPAT

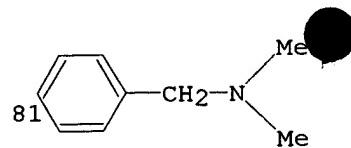
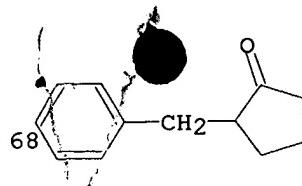
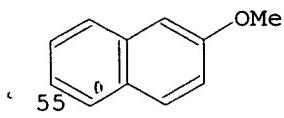
MSTR 1



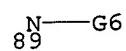
G1 = G2 / alkylene (SO)  
G2 = (1-10) CH<sub>2</sub>  
G3 = 9 / 30 / 40 / 53



G4 = 55 / 68 / 81

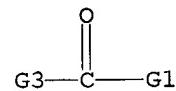


G5 = O / NH / 89

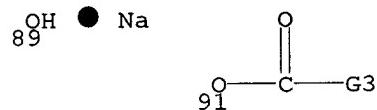


G6 = alkyl  
MPL: claim 1  
NTE: additional ring formation specified

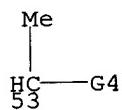
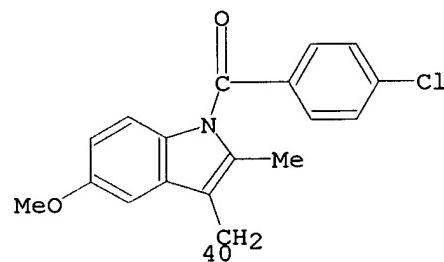
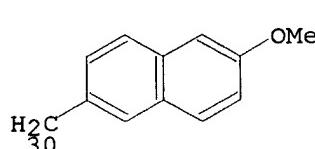
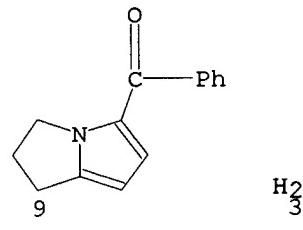
MSTR 2



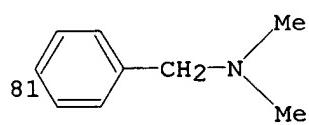
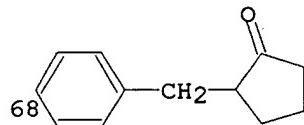
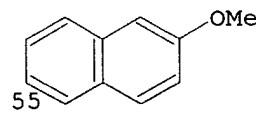
G1 = 89 / Cl / 91



G3 = 9 / 30 / 40 / 53



G4 = 55 / 68 / 81



MPL: claim 15

MSTR 3

G3—G1—G4

G1 = G2 / alkylene (SO)  
G2 = (1-10) CH<sub>2</sub>  
G3 = Cl / Br / NH<sub>2</sub> / alkylamino  
G4 = Cl / Br / I  
MPL: claim 15  
NTE: additional ring formation specified

MSTR 4

G3—G1—OH

G1 = G2 / alkylene (SO)  
G2 = (1-10) CH<sub>2</sub>  
G3 = Cl / Br / NH<sub>2</sub> / alkylamino  
MPL: claim 16  
NTE: additional ring formation specified

123:82961

=> fil beilstein

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	85.24	400.99
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-0.49	-0.49

FILE 'BEILSTEIN' ENTERED AT 08:36:51 ON 25 FEB 1998  
COPYRIGHT (c) 1998 Beilstein Chemiedaten und Software GmbH, Beilstein  
Institut fuer Literatur der organischen Chemie

FILE LAST UPDATED: 22 FEB 1998

FILE COVERS 1779 TO 1997.

\*\*\* CAS REGISTRY NUMBERS FOR 4,355,879 SUBSTANCES AVAILABLE \*\*\*  
\*\*\* FILE CONTAINS 7,169,346 SUBSTANCES \*\*\*

\*\*\*\*\*  
\* PLEASE NOTE THAT THERE ARE NO FORMATS FREE OF COST. \*  
\* SET NOTICE FEATURE: THE COST ESTIMATES CALCULATED FOR SET NOTICE \*  
\* ARE BASED ON THE HIGHEST PRICE CATEGORY. THEREFORE, THESE \*  
\* ESTIMATES MAY NOT REFLECT THE ACTUAL COSTS. \*  
\* FOR PRICE INFORMATION SEE HELP COST \*  
\*\*\*\*\*

\*\*\* YOU HAVE NEW MAIL \*\*\*

=> s 18

SAMPLE SEARCH INITIATED 08:37:02  
SCREENING  
SAMPLE SCREEN SEARCH COMPLETED - 0 TO ITERATE  
100.0% PROCESSED 0 ITERATIONS 0 ANSWERS

SEARCH TIME: 00.00.09

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*  
PROJECTED ITERATIONS: BATCH \*\*COMPLETE\*\*  
PROJECTED ANSWERS: 0 TO 0  
0 TO 0

L13 0 SEA SSS SAM L8

=> s 18 full

FULL SEARCH INITIATED 08:37:29  
FULL SCREEN SEARCH COMPLETED - 0 TO ITERATE  
100.0% PROCESSED 0 ITERATIONS 0 ANSWERS  
SEARCH TIME: 00.00.14

L14 0 SEA SSS FUL L8

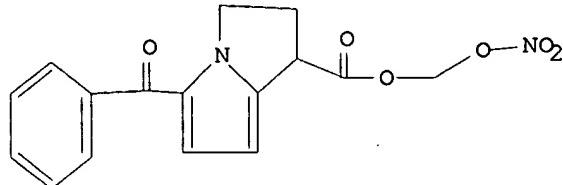
=>  
Uploading 902570.str

L1 STRUCTURE UPLOADED

=> d 11

L1 HAS NO ANSWERS

L1 STR



02/25/98

Structure attributes must be viewed using STN Express query preparation.

=> s 11

SAMPLE SEARCH INITIATED 08:12:08  
SAMPLE SCREEN SEARCH COMPLETED - 0 TO ITERATE  
100.0% PROCESSED 0 ITERATIONS 0 ANSWERS  
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*  
BATCH \*\*COMPLETE\*\*  
PROJECTED ITERATIONS: 0 TO 0  
PROJECTED ANSWERS: 0 TO 0

L2 0 SEA SSS SAM L1

=> s 11 full

FULL SEARCH INITIATED 08:12:16  
FULL SCREEN SEARCH COMPLETED - 0 TO ITERATE  
100.0% PROCESSED 0 ITERATIONS 0 ANSWERS  
SEARCH TIME: 00.00.01

L3 0 SEA SSS FUL L1

=> fil marpat

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	113.82	113.97

FILE 'MARPAT' ENTERED AT 08:12:22 ON 25 FEB 1998  
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.  
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FILE CONTENT: 1988-PRESENT (VOL 104 ISS 14-VOL 128 ISS 7) (980213/ED)

MOST RECENT CITATIONS FOR PATENTS FROM FIVE MAJOR ISSUING AGENCIES  
(COVERAGE TO THESE DATES IS NOT COMPLETE):

US 5700895 23 DEC 1997  
DE 19725447 18 DEC 1997  
EP 814124 29 DEC 1997  
JP 10016376 20 JAN 1998  
WO 9749682 31 DEC 1997

NOTICE: MARPAT started covering 1998 patents on 9 February 1998,  
with the first entry at 128:61273 for JP10001462 A2, published on  
6 January 1998.

=> s 11

SAMPLE SEARCH INITIATED 08:12:27  
SAMPLE SCREEN SEARCH COMPLETED - 0 TO ITERATE  
100.0% PROCESSED 0 ITERATIONS 0 ANSWERS  
SEARCH TIME: 00.00.02

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*  
BATCH \*\*COMPLETE\*\*  
PROJECTED ITERATIONS: 0 TO 0  
PROJECTED ANSWERS: 0 TO 0

L4 0 SEA SSS SAM L1

=> s 11 full

FULL SEARCH INITIATED 08:12:34  
FULL SCREEN SEARCH COMPLETED - 37 TO ITERATE  
100.0% PROCESSED 37 ITERATIONS ( 1 INCOMPLETE) 3 ANSWERS  
SEARCH TIME: 00.00.12

L5 3 SEA SSS FUL L1

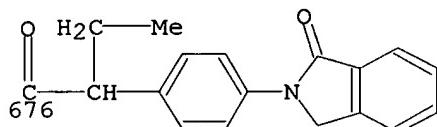
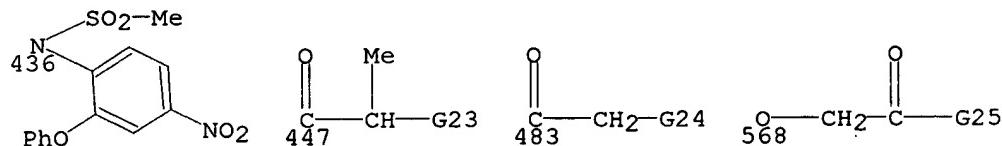
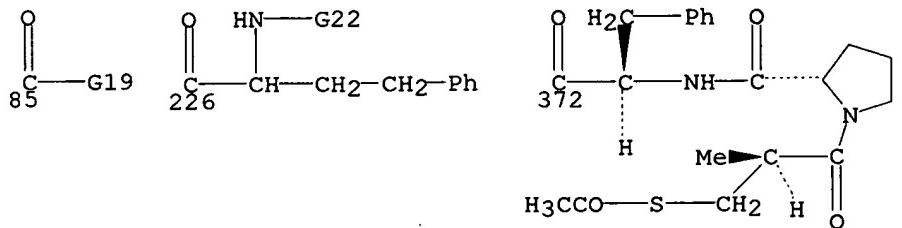
=> d 15 1-3 bib ide

L5 ANSWER 1 OF 3 MARPAT COPYRIGHT 1998 ACS  
(ALL HITS ARE ITERATION INCOMPLETES)  
AN 125:114476 MARPAT  
TI Preparation of diol bis-(benzoates or heterocyclcarboxylates) as  
antiinflammatory agents and platelet aggregation inhibitors  
IN Del Soldato, Piero; Sannicolo, Francesco; Benincori, Tiziana  
PA Laboratori Alchemia S.R.L., Italy  
SO PCT Int. Appl., 90 pp.  
CODEN: PIXXD2  
PI WO 9615809 A2 960530  
DS W: AM, AT, AU, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI,  
GB, GE, HU, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LS, LT, LU, LV,  
MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI,  
SK, TJ  
RW: AT, BE, BF, BJ, CF, CG, CH, CI, CM, DE, DK, ES, FR, GA, GB, GR,  
IE, IT, LU, MC, ML, MR, NE, NL, PT, SE, SN, TD, TG  
AI WO 95-EP4556 951120  
PRAI IT 94-MI2362 941122  
DT Patent  
LA English  
AN 125:114476 MARPAT

MSTR 1A

G1—G2—G4—G3—G1  
2 4

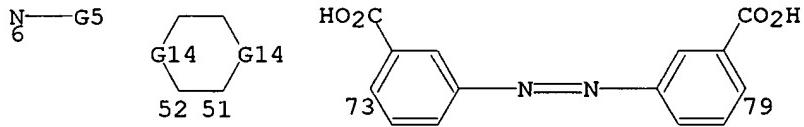
G1 = R / (SC 85 / 226 / 372 / 436 / 447 / 483 / 568 /  
676)



G2 = R / (SC O / C(O))

G3 = R / (SC O / C(O))

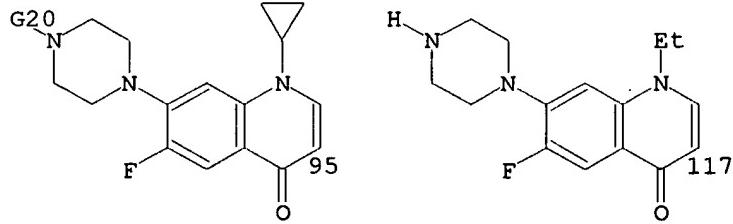
G4 = O / S / NH / 6 / Cb (SO) / phenylene (SO) /  
Cb<EC (10) C, AN (2-) C, AR (1-), BD (ALL) N, RC (2),  
RS (2) E6 (0) OTHER> (SO) / Hy<EC (1-2) N (0) OTHERQ (4-5)  
C, AN (2-) C (0) N, AR (1-), BD (ALL) N, RC (1), RS (1) E6>  
(SO) / Hy<EC (2) N (3) C (0) OTHERQ, AR (1-), BD (2) D,  
RC (1), RS (1) E5> (SO) / Hy<EC (2) N (7) C (0) OTHERQ,  
AR (1-), BD (6) N (1) D, FA (2) C, RC (2),  
RS (1) E5 (1) E6 (0) OTHER> (SO) / arylene (SO) / 52-2 51-4 /  
73-2 79-4

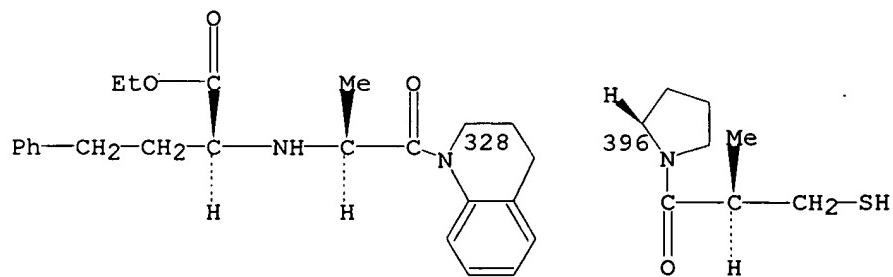
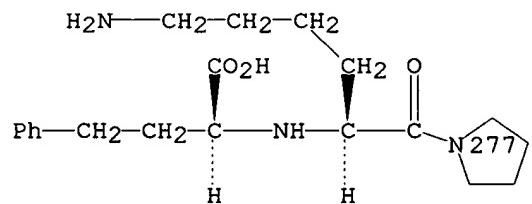
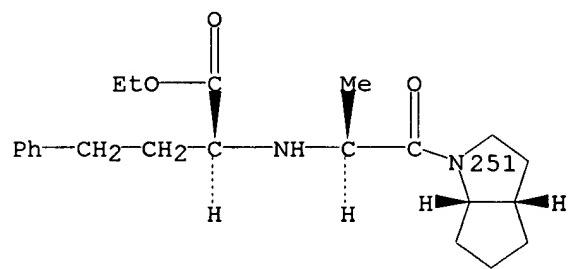
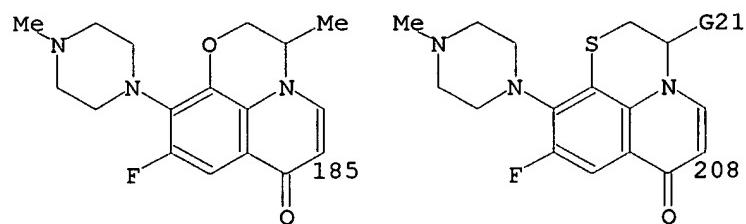
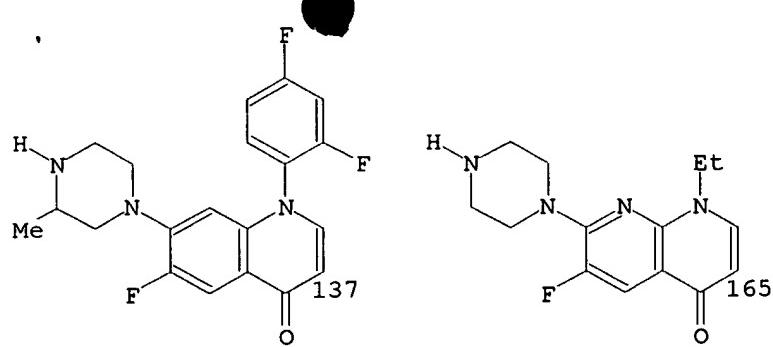


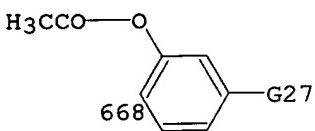
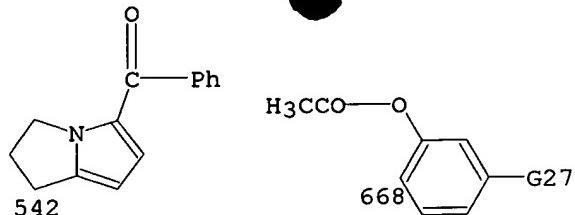
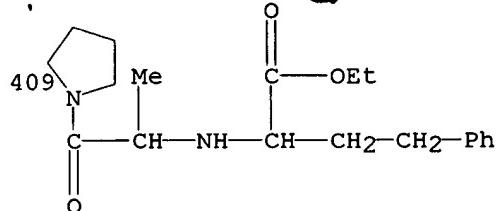
G5 = cycloalkyl / alkyl

G14 = O / S

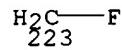
G19 = 95 / 117 / 137 / 165 / 185 / 208 / 251 / 277 / 328 /  
396 / 409 / 542 / 668



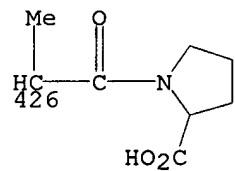
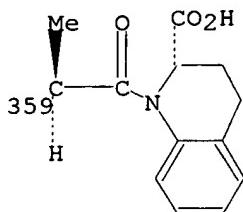
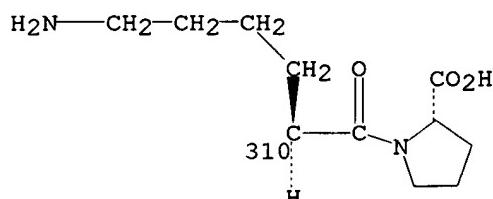
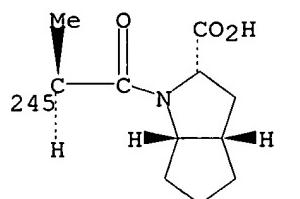




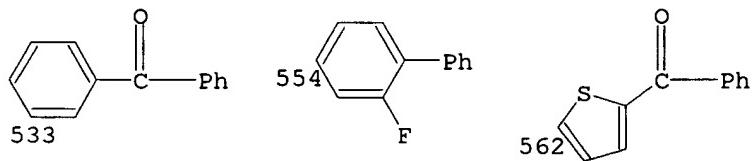
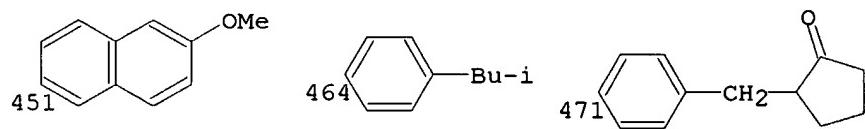
G20 = H / Et  
G21 = H / 223



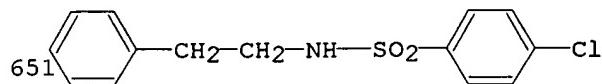
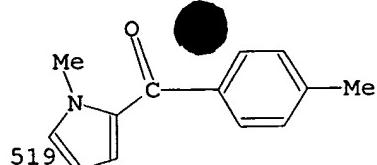
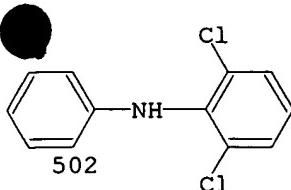
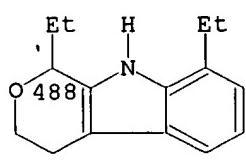
G22 = 245 / 310 / 359 / 426



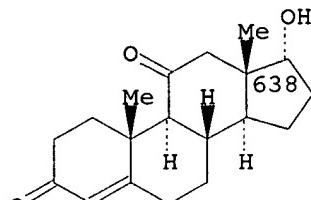
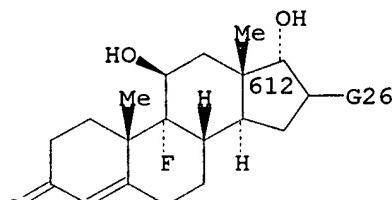
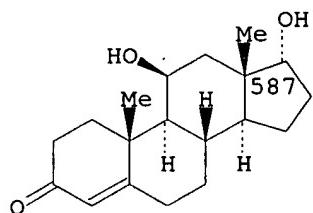
G23 = 451 / 464 / 471 / 533 / 554 / 562



G24 = 488 / 502 / 519 / 651



G25 = 587 / 612 / 638

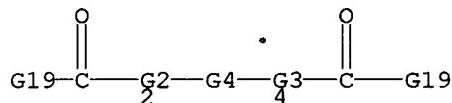


G26 = Me / H

G27 = H / CF<sub>3</sub>

MPL: claim 1

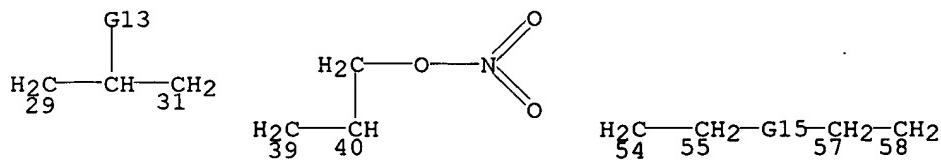
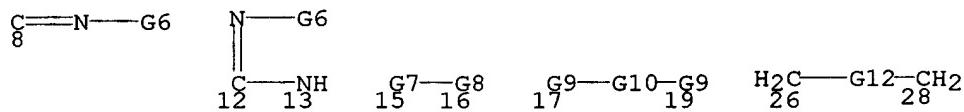
#### MSTR 1B ITERATION INCOMPLETE

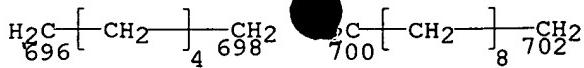


G2 = R / (SC O / C(O))

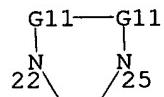
G3 = R / (SC O / C(O))

G4 = 8 / C(O) / 12-2 13-4 / Ak (SO) / 15-2 16-4 / 17-2 19-4 / 26-2 28-4 / 29-2 31-4 / 39-2 40-4 / 54-2 58-4 / G18 / (SC G5 / 696-2 698-4 / 700-2 702-4 )

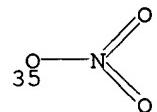




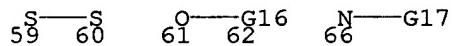
G5 = (2-4) CH<sub>2</sub>  
 G6 = H / cycloalkyl / alkyl  
 G7 = alkylene (SO)  
 G8 = arylene (SO)  
 G9 = (1-3) CH<sub>2</sub>  
 G10 = O / phenylene (SO) / Hy<AR (1-),  
       RS (0-) E5 (0-) E6 (0) OTHER> (SO) / 25-17 22-19



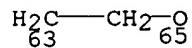
G11 = CH<sub>2</sub> / C(O)  
 G12 = (1-6) CHOH  
 G13 = 35 / OH



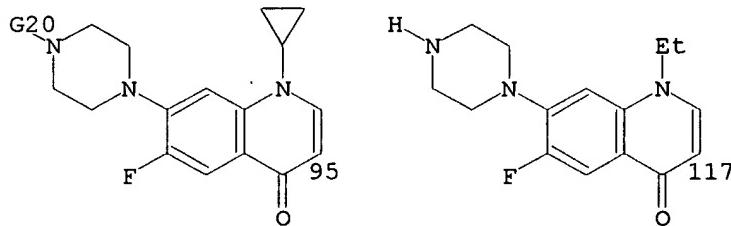
G15 = S / 59-55 60-57 / 61-55 62-57 / 66

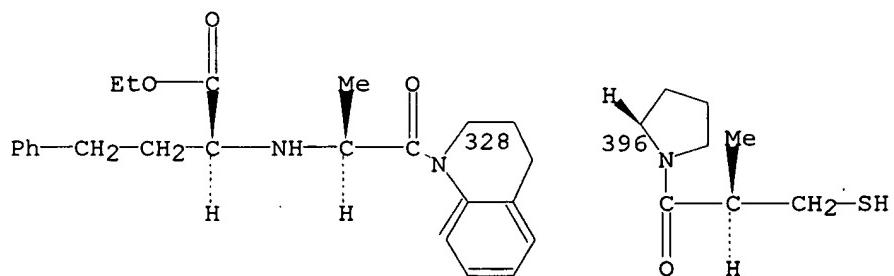
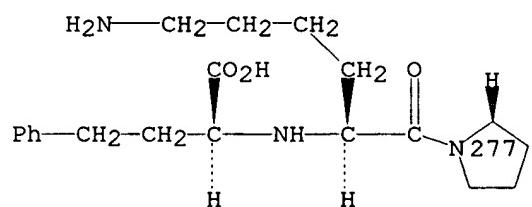
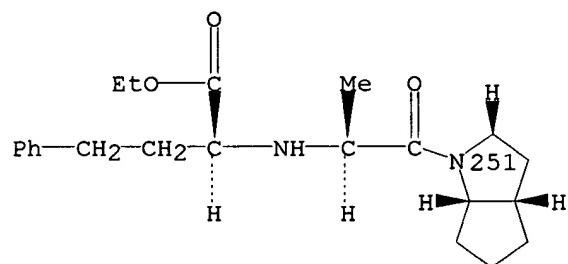
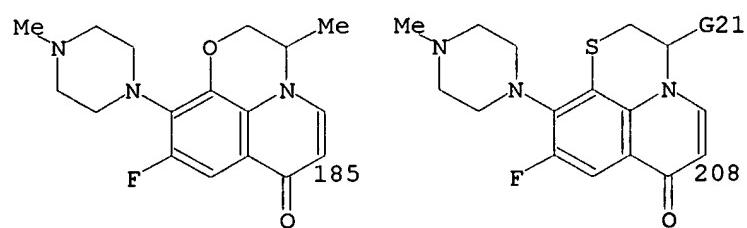
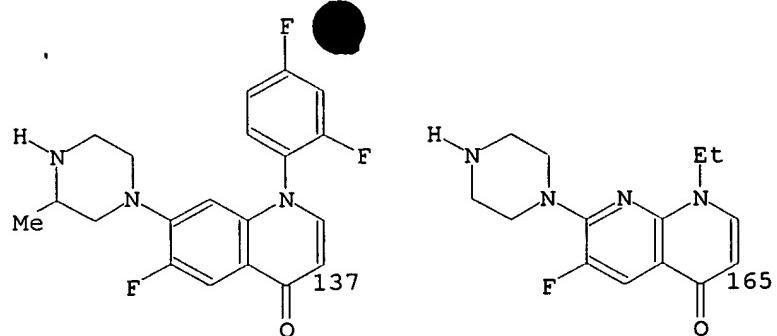


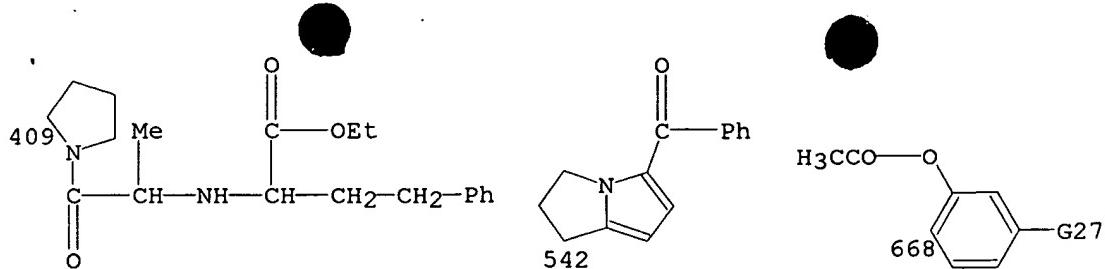
G16 = (1-5) 63-61 65-57



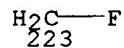
G17 = alkyl (SO) / aryl (SO)  
 G18 = (1-4) CHOH  
 G19 = 95 / 117 / 137 / 165 / 185 / 208 / 251 / 277 / 328 /  
       396 / 409 / 542 / 668





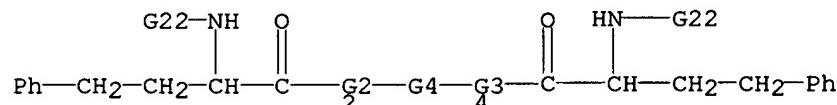


G20 = H / Et  
 G21 = H / 223.

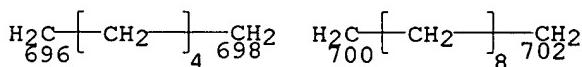
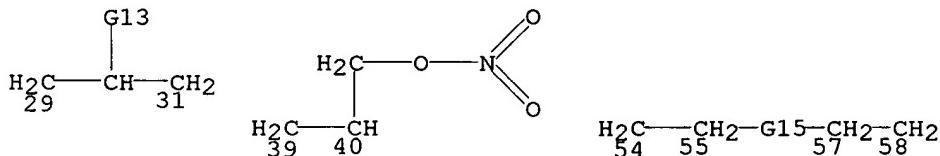
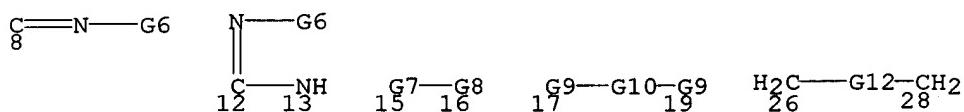


G27 = H / CF<sub>3</sub>  
 MPL: claim 1

MSTR 1C

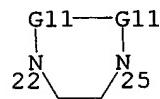


G2 = R / (SC O / C(O))  
 G3 = R / (SC O / C(O))  
 G4 = 8 / C(O) / 12-2 13-4 / Ak (SO) / 15-2 16-4 /  
       17-2 19-4 / 26-2 28-4 / 29-2 31-4 / 39-2 40-4 / 54-2 58-4 /  
       G18 / (SC G5 / 696-2 698-4 / 700-2 702-4 )

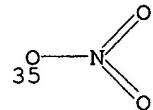


G5 = (2-4) CH<sub>2</sub>  
 G6 = H / cycloalkyl / alkyl  
 G7 = alkylene (SO)  
 G8 = arylene (SO)  
 G9 = (1-3) CH<sub>2</sub>

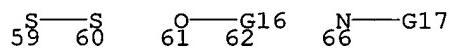
G10 = O / phenyl (SO) / Hy<AR (1-),  
RS (0-) E5 (0-) E6 (0) OTHER> (SO) / 25-17 19



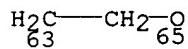
G11 = CH2 / C(O)  
G12 = (1-6) CHOH  
G13 = 35 / OH



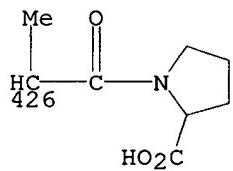
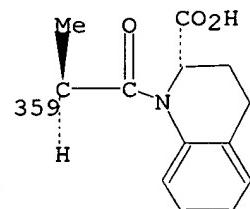
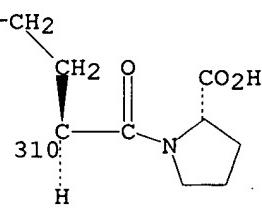
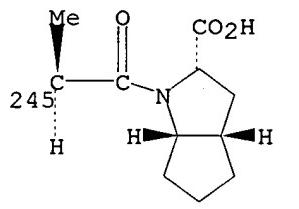
G15 = S / 59-55 60-57 / 61-55 62-57 / 66



G16 = (1-5) 63-61 65-57

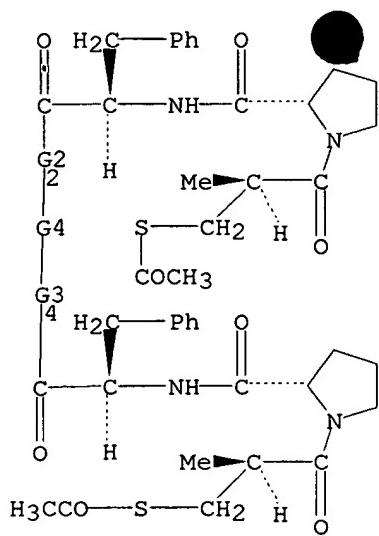


G17 = alkyl (SO) / aryl (SO)  
G18 = (1-4) CHOH  
G22 = 245 / 310 / 359 / 426

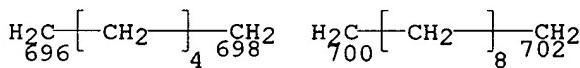
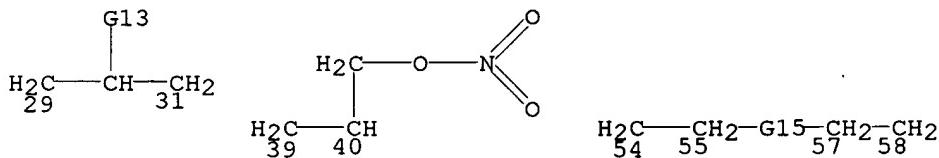
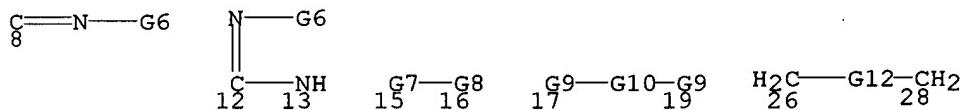


MPL: claim 1

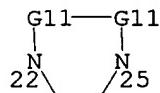
MSTR 1D



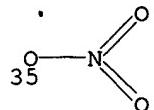
$G_2 = R / (SCO / C(O))$   
 $G_3 = R / (SCO / C(O))$   
 $G_4 = 8 / C(O) / 12-2\ 13-4 / Ak(SO) / 15-2\ 16-4 /$   
 $17-2\ 19-4 / 26-2\ 28-4 / 29-2\ 31-4 / 39-2\ 40-4 / 54-2\ 58-4 /$   
 $G_{18} / (SCG_5 / 696-2\ 698-4 / 700-2\ 702-4)$



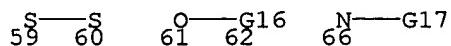
$G_5 = (2-4)\ CH_2$   
 $G_6 = H / \text{cycloalkyl} / \text{alkyl}$   
 $G_7 = \text{alkylene (SO)}$   
 $G_8 = \text{arylene (SO)}$   
 $G_9 = (1-3)\ CH_2$   
 $G_{10} = O / \text{phenylene (SO)} / \text{Hy<AR (1-),}$   
 $RS(0-) E_5(0-) E_6(0) \text{ OTHER> (SO) / 25-17 22-19}$



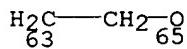
$G_{11} = CH_2 / C(O)$   
 $G_{12} = (1-6)\ CHOH$   
 $G_{13} = 35 / OH$



G15 = S / 59-55 60-57 / 61-55 62-57 / 66



G16 = (1-5) 63-61 65-57

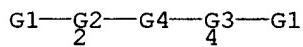


G17 = alkyl (SO) / aryl (SO)

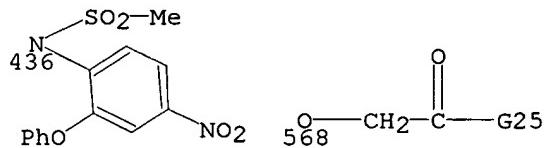
G18 = (1-4) CHOH

MPL: claim 1

MSTR 1E



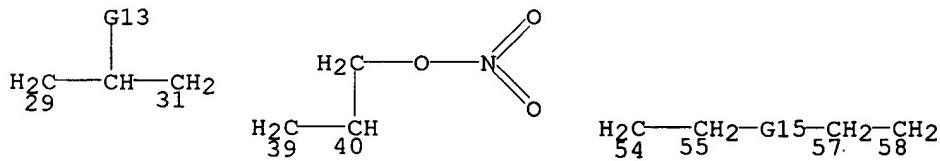
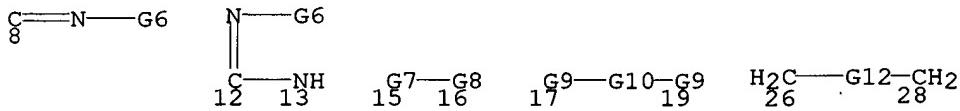
G1 = 436 / 568

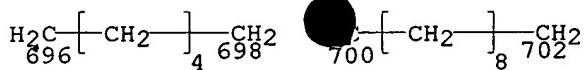


G2 = R / (SC O / C(O))

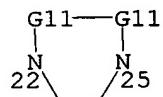
G3 = R / (SC O / C(O))

G4 = 8 / C(O) / 12-2 13-4 / Ak (SO) / 15-2 16-4 /  
 17-2 19-4 / 26-2 28-4 / 29-2 31-4 / 39-2 40-4 / 54-2 58-4 /  
 G18 / (SC G5 / 696-2 698-4 / 700-2 702-4 )

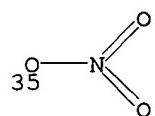




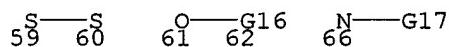
G5 = (2-4) CH<sub>2</sub>  
 G6 = H / cycloalkyl / alkyl  
 G7 = alkylene (SO)  
 G8 = arylene (SO)  
 G9 = (1-3) CH<sub>2</sub>  
 G10 = O / phenylene (SO) / Hy<AR (1-),  
       RS (0-) E5 (0-) E6 (0) OTHER> (SO) / 25-17 22-19



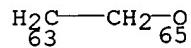
G11 = CH<sub>2</sub> / C(O)  
 G12 = (1-6) CHOH  
 G13 = 35 / OH



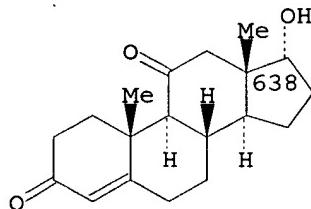
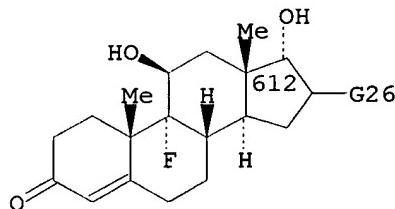
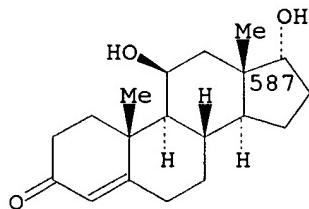
G15 = S / 59-55 60-57 / 61-55 62-57 / 66



G16 = (1-5) 63-61 65-57

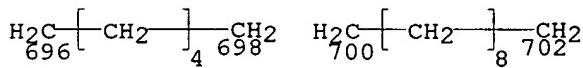
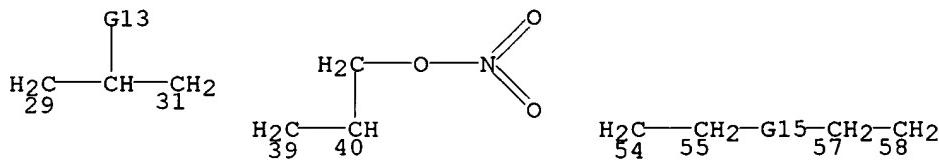
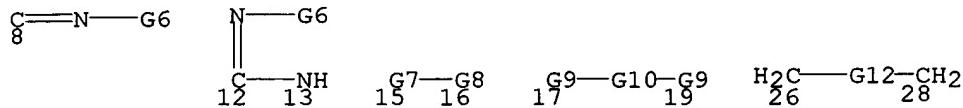
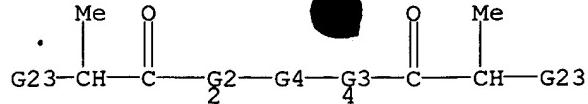


G17 = alkyl (SO) / aryl (SO)  
 G18 = (1-4) CHOH  
 G25 = 587 / 612 / 638

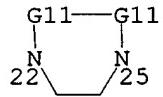


G26 = Me / H  
 MPL: claim 1

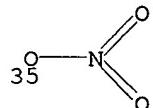
MSTR 1F



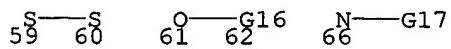
$\text{G5} = (2-4) \text{ CH}_2$   
 $\text{G6} = \text{H} / \text{cycloalkyl} / \text{alkyl}$   
 $\text{G7} = \text{alkylene (SO)}$   
 $\text{G8} = \text{arylene (SO)}$   
 $\text{G9} = (1-3) \text{ CH}_2$   
 $\text{G10} = \text{O} / \text{phenylene (SO)} / \text{Hy<AR (1-),}$   
 $\text{RS (0-)} \text{ E5 (0-)} \text{ E6 (0)} \text{ OTHER> (SO)} / 25-17 22-19$



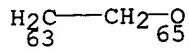
$\text{G11} = \text{CH}_2 / \text{C(O)}$   
 $\text{G12} = (1-6) \text{ CHOH}$   
 $\text{G13} = 35 / \text{OH}$



$\text{G15} = \text{S} / 59-55 60-57 / 61-55 62-57 / 66$



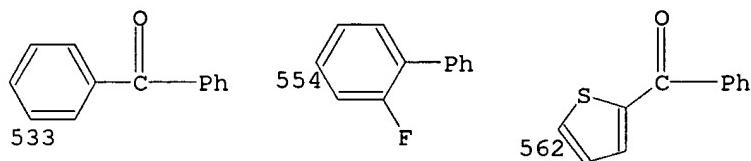
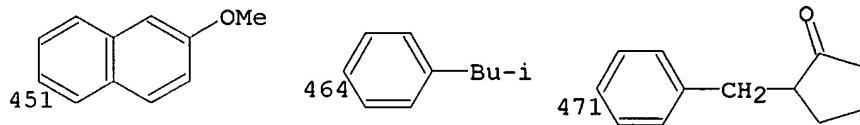
$$G16 = (1-5) \ 63-67-5-57$$



G17 = alkyl (SO) / aryl (SO)

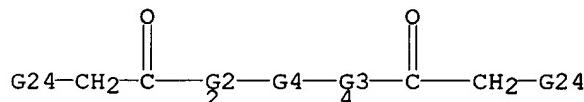
$$G18 = (1-\bar{4}) \text{ CHOH}$$

G23 = 451 / 464 / 471 / 533 / 554 / 562



MPL: claim 1

MSTR 1G

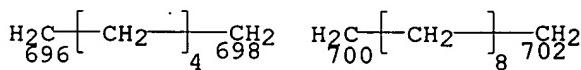
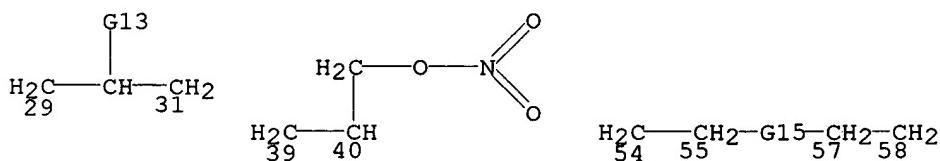
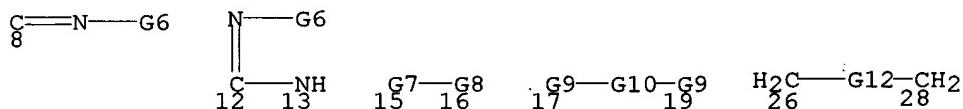


$$G_2 = R / (SC_O / C(O))$$

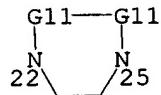
$$G3 = R / (SC \circ / C(O))$$

$$G_4 = \infty / G(\infty) / 12-2 \ 13-4 / A_k (so) / 15-2 \ 16-4 /$$

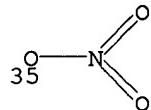
17-2 19-4 / 26-2 28-4 / 29-2 31-4 / 39-2 40-4 / 54-2 58-4 /  
G18 / (SC G5 / 696-2 698-4 / 700-2 702-4 )



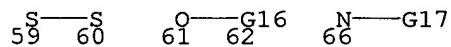
G5 = (2-4) CH<sub>2</sub>  
 G6 = H / cycloaliphatic alkyl  
 G7 = alkylene (SO)  
 G8 = arylene (SO)  
 G9 = (1-3) CH<sub>2</sub>  
 G10 = O / phenylene (SO) / Hy<AR (1-),  
       RS (0-) E5 (0-) E6 (0) OTHER> (SO) / 25-17 22-19



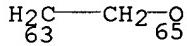
G11 = CH<sub>2</sub> / C(O)  
 G12 = (1-6) CHOH  
 G13 = 35 / OH



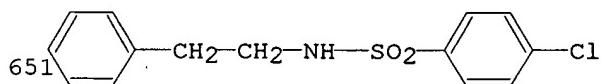
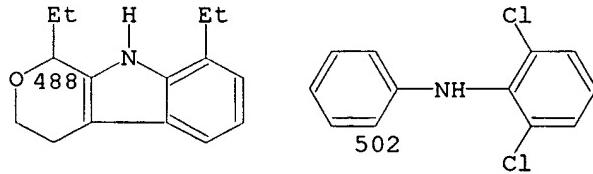
G15 = S / 59-55 60-57 / 61-55 62-57 / 66



G16 = (1-5) 63-61 65-57

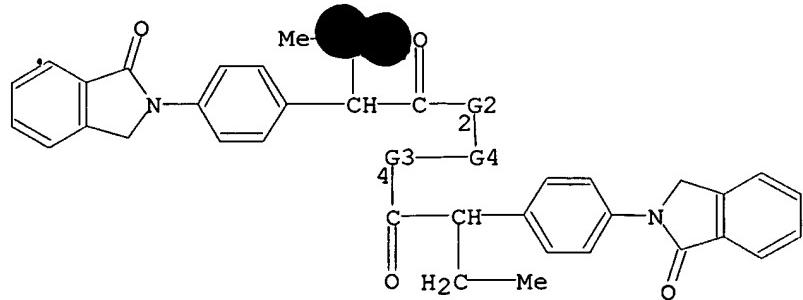


G17 = alkyl (SO) / aryl (SO)  
 G18 = (1-4) CHOH  
 G24 = 488 / 502 / 519 / 651

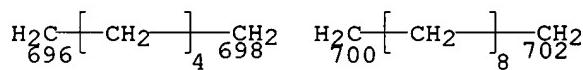
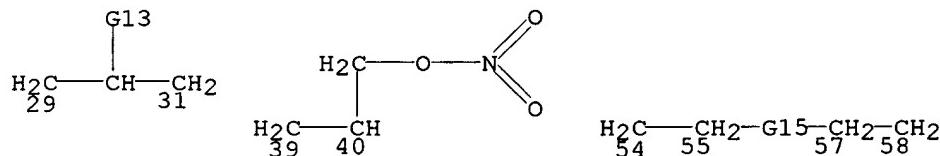
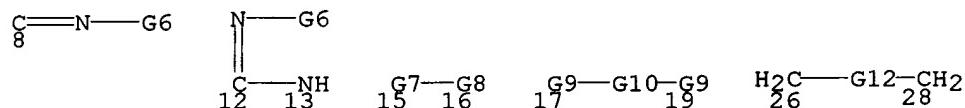


MPL: claim 1

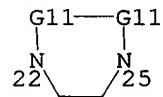
MSTR 1H



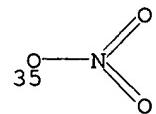
$G_2 = R / (SC\ O / C(O))$   
 $G_3 = R / (SC\ O / C(O))$   
 $G_4 = 8 / C(O) / 12-2\ 13-4 / Ak\ (SO) / 15-2\ 16-4 /$   
 $17-2\ 19-4 / 26-2\ 28-4 / 29-2\ 31-4 / 39-2\ 40-4 / 54-2\ 58-4 /$   
 $G_{18} / (SC\ G_5 / 696-2\ 698-4 / 700-2\ 702-4)$



$G_5 = (2-4)\ CH_2$   
 $G_6 = H / \text{cycloalkyl} / \text{alkyl}$   
 $G_7 = \text{alkylene (SO)}$   
 $G_8 = \text{arylene (SO)}$   
 $G_9 = (1-3)\ CH_2$   
 $G_{10} = O / \text{phenylene (SO)} / \text{Hy<AR (1-),}$   
 $\text{RS (0-)}\ E_5\ (0-)\ E_6\ (0)\ \text{OTHER> (SO) / 25-17 22-19}$



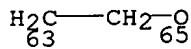
$G_{11} = CH_2 / C(O)$   
 $G_{12} = (1-6)\ CHOH$   
 $G_{13} = 35 / OH$



$G_{15} = S / 59-55\ 60-57 / 61-55\ 62-57 / 66$

\$—S      O—G16      N—G17

G16 = (1-5) 63-61 65-57



G17 = alkyl (SO) / aryl (SO)

$$G18 = (1-4) \text{ CHOH}$$

MPL: claim 1

L5 ANSWER 2 OF 3 MARPAT COPYRIGHT 1998 ACS

AN 124:201789 MARPAT

TI Preparation of aryl nitrate ester compounds having antiinflammatory  
ans well as analgesic and antithrombotic activities

'IN DEL Soldato, Piero, Sannicolo, Francesco

PA Nicox Ltd., Ire.

SO PCT Int. Appl., 87 pp.

CODEN: PIXXD2

PI WO 9530641 A1 951116

DS W: AM, AU, BB, BG, BR, BY, CA, CN, CZ, EE, FI, GE, HU, JP, KG, KP,

KR, KZ, LK, LR, LT, LV, MD, MG, MN, MX, NO, NZ, PL, RO, RU, SI,  
SK, TJ, TT, UA, US, UZ, VN

RW: AT, BE, BF, BJ, CF, CG, CH, CI, CM, DE, DK, ES, FR, GA, GB, GR,  
IE, IT, LU, MC, ML, MR, NE, NL, PT, SE, SN, TD, TG

AI WO 95-EP1233 950404

PRAI IT 94-MI916 940510

IT 94-MI1731 940809

DT Patent

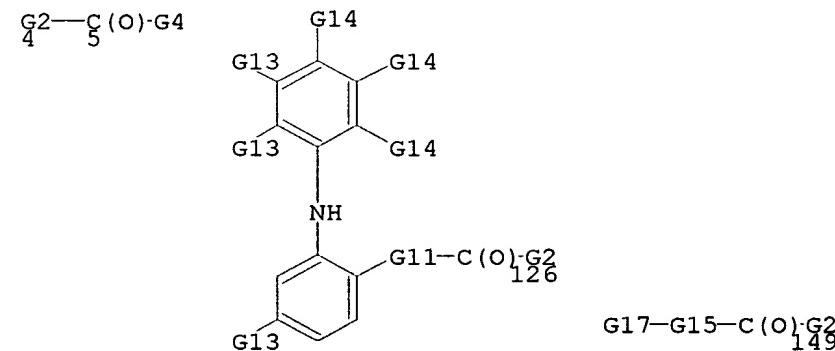
LA English

AN 124:201789 MARPAT

MSTR 1A

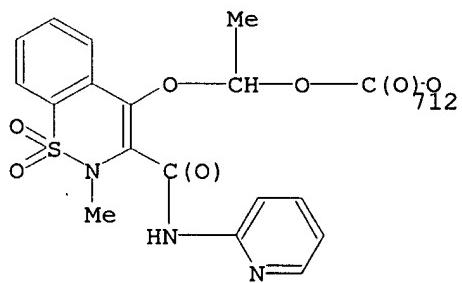
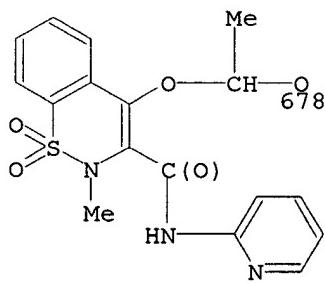
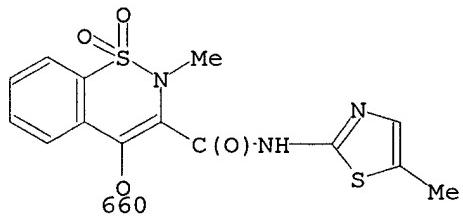
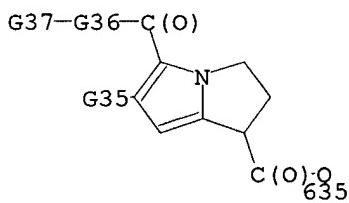
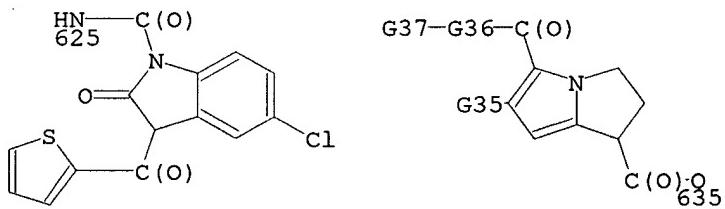
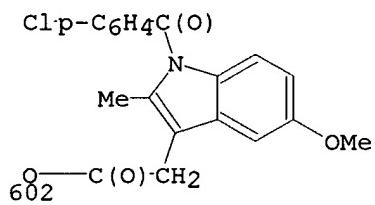
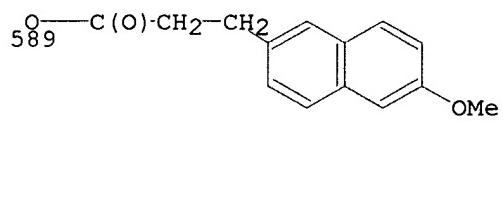
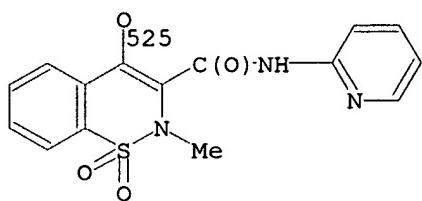
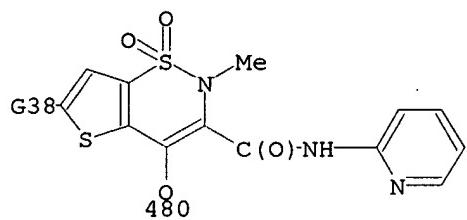


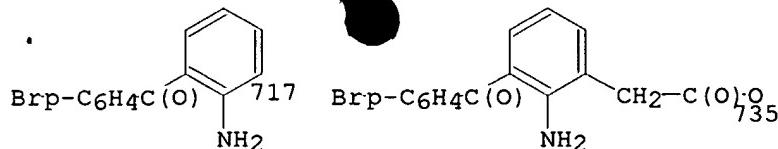
$$G_1 = 4 / 126 / 149 / 326 / 424 / 480 / 525 / 589 / 602 / \\ 625 / \mathbf{635} / 660 / 678 / 712 / 717 / 735$$



Ph-p-C<sub>6</sub>H<sub>4</sub>C(O)-CH<sub>2</sub>-G15-G26

G29-G27-C(O)-G24

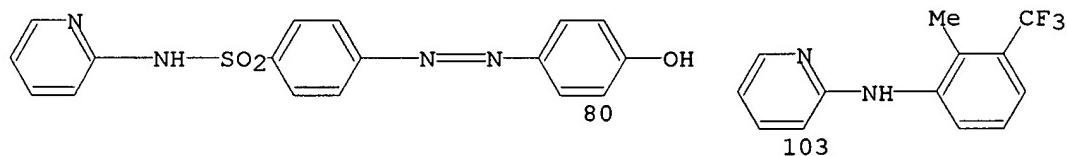
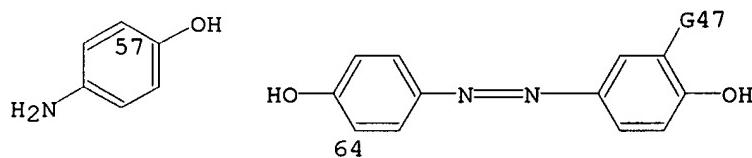
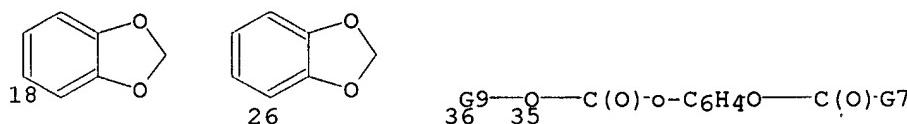




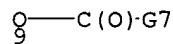
G2 = O / 7



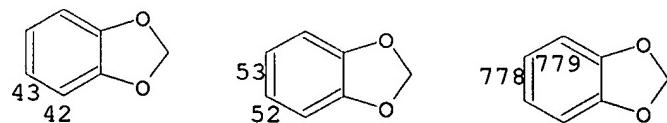
G3 = H / alkyl<(1-10)>  
 G4 = Ph (SR (1-2) G5) / 18 / 26 / 36 / 57 / 64 / 80 / 103



G5 = (1) G6 / (-1) G8  
 G6 = 9 / Hy<EC (0-) N (0-) O (0-) S (0) OTHERQ, RC (1),  
       RS (1) M5 (1) X6>

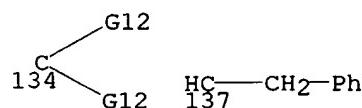


G7 = Me / Et / alkyl<(3-5)>  
 G8 = OH / X / alkyl<(1-4)> / alkoxy<(1-4)> /  
       perfluoroalkyl<(1-4)> / CF<sub>3</sub> / NO<sub>2</sub> / NH<sub>2</sub> / alkylamino<(1-4)> /  
       dialkylamino<(1-4)>  
 G9 = o-C<sub>6</sub>H<sub>4</sub> (SO (1-2) G10) / 42-35 43-5 / 52-35 53-5 /  
       778-35 779-5

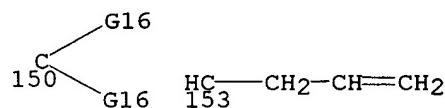


G10 = (-1) G6 / (-1) G8

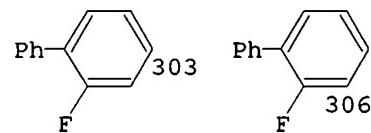
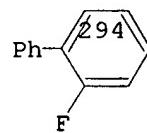
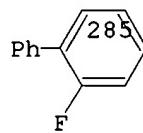
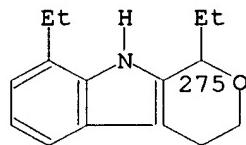
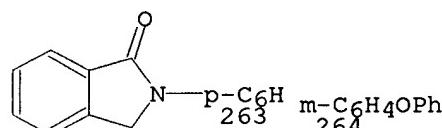
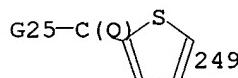
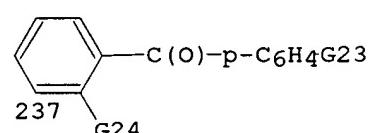
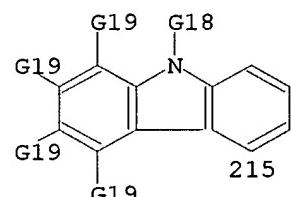
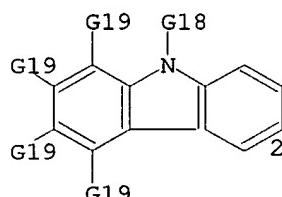
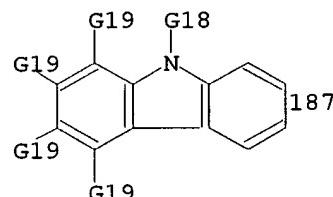
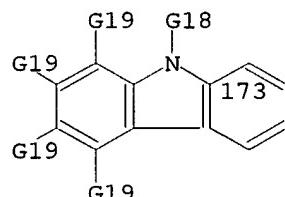
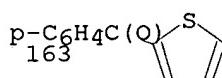
G11 = 134 / 137

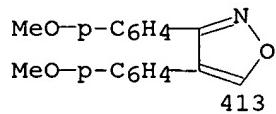
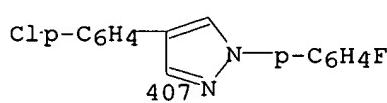
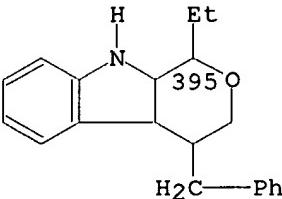
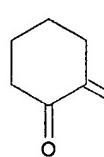
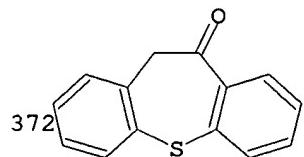
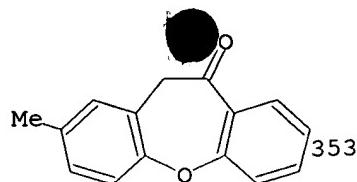
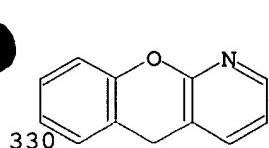
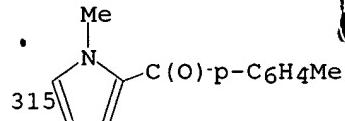


G12 = H / alkyl<(1-3)>  
G13 = H / alkyl<(1-6)> / alkoxy<(1-6)> / Cl / F / Br  
G14 = (2-) H / alkyl<(1-6)> / alkoxy<(1-6)> / Cl / F / Br  
G15 = 150 / 153 / CHMe



G16 = H / alkyl<(1-12)> (SO)  
G17 = 163 / 173 / 187 / 201 / 215 / 237 / 249 / 263 /  
264 / 275 / 285 / 294 / 303 / 306 / 315 / 330 / 353 / 385 /  
395 / 407 / 372 / 413

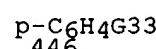
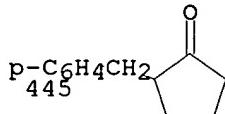
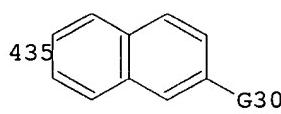




G18 = H / alkyl<(1-6)> (SO alkoxy carbonyl<(1-6)>) / alkyl<(1-6)> (SR CO<sub>2</sub>H) / alkyl carbonyl<(1-6)> (SO (1-) X) / CH<sub>2</sub>Ph (SO (1-) X) / COPh (SO (1-) X)  
 G19 = H / (-1) G20 / (1) G22  
 G20 = X / OH / CN / alkyl<(1-6)> (SO G21) / alkoxy<(1-6)> / COMe / OCH<sub>2</sub>Ph / alkylthio<(1-6)> / perfluoroalkyl<(1-3)> / NO<sub>2</sub> / NH<sub>2</sub> / SO<sub>2</sub>NH<sub>2</sub> / dialkylaminosulfonyl<(1-6)> / alkylsulfonyl<(1-3)> (SR (2) F)  
 G21 = OH / CO<sub>2</sub>H  
 G22 = X / CN / alkyl<(1-6)> (SO (1-) OH) / alkoxy<(1-6)> / COMe / NHCOMe / OCH<sub>2</sub>Ph / alkylthio<(1-6)> / perfluoroalkyl<(1-3)> / OH / alkyl<(1-6)> (SR CO<sub>2</sub>H) / NO<sub>2</sub> / NH<sub>2</sub> / alkylamino<(1-6)> / dialkylamino<(1-6)> / SO<sub>2</sub>NH<sub>2</sub> / dialkylaminosulfonyl<(1-6)> / alkylsulfonyl<(1-3)> (SR (2) F)  
 G23 = H / alkylthio<(1-4)>  
 G24 = H / OH  
 G25 = Ph (SO (1-) G26) / heteroaryl / thieryl / furyl (SO OH) / pyridyl  
 G26 = OH / X / alkyl carbonyl<(1-6)> / alkoxy<(1-6)> / alkyl<(1-6)> / cyclopentyl / cyclohexyl / cycloheptyl  
 G27 = 425 / C=CH<sub>2</sub>

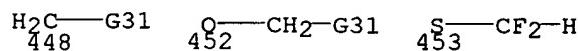
<sup>HC</sup>—G28  
 425

G28 = H / alkyl<(1-6)> (SO (2) F) / Me  
 G29 = 435 / 445 / 446

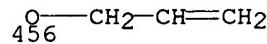


G30 = alkyl<(1-6)> / cycloalkyl<(3-7)> / 448 / alkyl<(1-3)> (SR (3) F) / CH=CH<sub>2</sub> / ethynyl / X / alkoxy<(1-6)> / alkoxy<(1-7)> (SR (2) F) / 452 / CN / 453 /

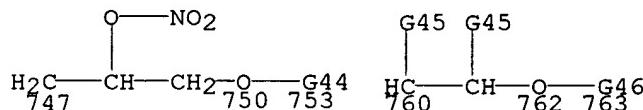
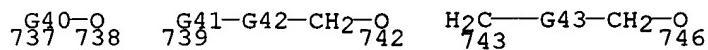
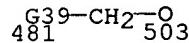
Ph (SO alkyl<(1-8)>) / OMe



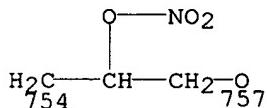
G31 = alkoxy<(1-7)> / alkylthio<(1-7)>  
G33 = alkyl<(2-5)> / alkoxy<(2-3)> / 456 / OPh / SPh / cycloalkyl<(5-7)> (SO (1) alkyl<(1-2)>) / Bu-i



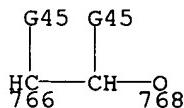
G34 = 737-1 738-3 / 481-1 503-3 / 739-1 742-3 / 743-1 746-3 / 747-1 753-3 / 760-1 763-3



G35 = H / alkyl<(1-4)>  
G36 = phenylene  
G37 = H / alkyl<(1-4)> / alkoxy<(1-4)> / Cl / F / Br  
G38 = H / Cl  
G39 = phenylene  
G40 = alkylene<(1-20)> / cycloalkylene<(5-7)> (SO)  
G41 = (2-3) CH<sub>2</sub>  
G42 = phenylene  
G43 = phenylene (SO (1) CO<sub>2</sub>H)  
G44 = (0-5) 754-750 757-3



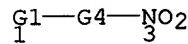
G45 = (1-) H / Me  
G46 = (0-5) 766-762 768-3



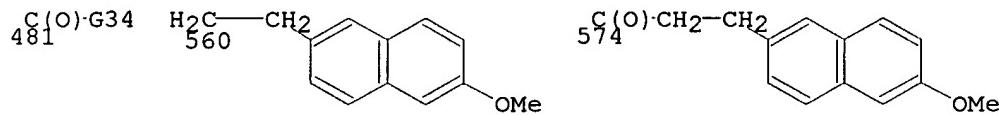
G47 = CO<sub>2</sub>H (SO)  
DER: or salts  
MPL: claim 1

NTE: additional ring formation is allowed  
NTE: substitution restricted

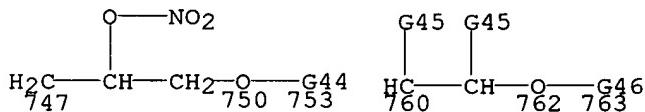
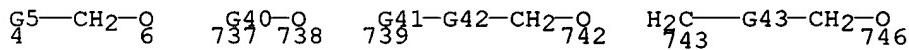
MSTR 1B



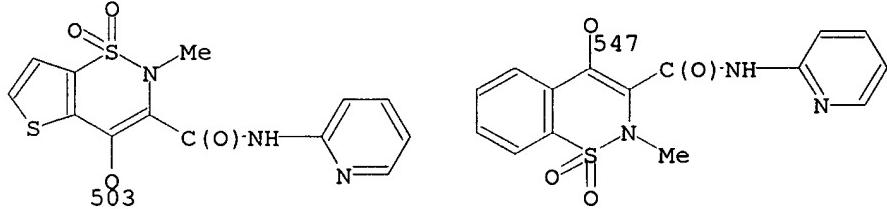
G1 = 481 / 560 / 574



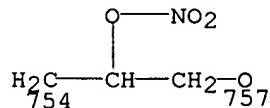
G4 = 737-1 738-3 / 4-1 6-3 / 739-1 742-3 / 743-1 746-3 /  
747-1 753-3 / 760-1 763-3



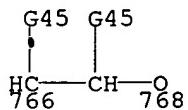
G5 = phenylene  
G34 = 503 / 547



G40 = alkylene<(1-20)> / cycloalkylene<(5-7)> (SO)  
G41 = (2-3) CH<sub>2</sub>  
G42 = phenylene  
G43 = phenylene (SO (1) CO<sub>2</sub>H)  
G44 = (0-5) 754-750 757-3



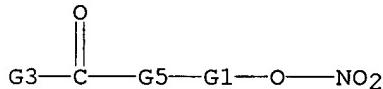
G45 = (1-) H / Me  
G46 = (0-5) 766-762 768-3



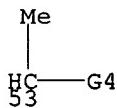
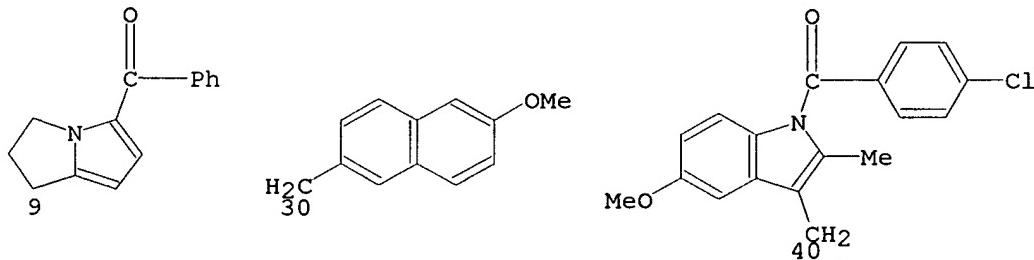
DER: or salts  
 MPL: claim 1  
 NTE: additional ring formation is allowed  
 NTE: substitution is restricted

L5 ANSWER 3 OF 3 MARPAT COPYRIGHT 1998 ACS  
 AN 123:82961 MARPAT  
 TI Preparation of organic nitrate esters having antiinflammatory and/or analgesic activity  
 IN ~~Del Soldato, Piero~~  
 PA Nicox Ltd., Ire.  
 SO PCT Int. Appl., 46 pp.  
 CODEN: PIXXD2  
 PI WO 9509831 A1 950413  
 DS W: AM, AU, BB, BG, BR, BY, CA, CN, CZ, EE, FI, GE, HU, JP, KG, KP,  
 KR, KZ, LK, LR, LT, LV, MD, MG, MN, NO, NZ, PL, RO, RU, SI, SK,  
 TJ, TT, UA, US, UZ, VN  
 RW: AT, BE, BF, BJ, CF, CG, CH, CI, CM, DE, DK, ES, FR, GA, GB, GR,  
 IE, IT, LU, MC, ML, MR, NE, NL, PT, SE, SN, TD, TG  
 AI WO 94-EP3182 940923  
 PRAI GB 93-20599 931006  
 IT 94-MI916 940510  
 DT Patent  
 LA English  
 OS CASREACT 123:82961  
 AN 123:82961 MARPAT

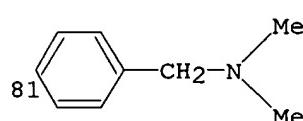
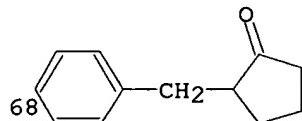
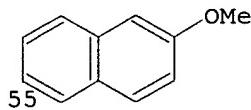
MSTR 1



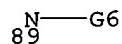
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 G2 = (1-10) CH<sub>2</sub>  
 G3 = 9 / 30 / 40 / 53



G4 = 55 / 68 / 81

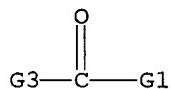


G5 = O / NH / 89

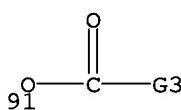
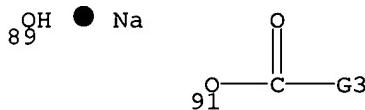


G6 = alkyl  
MPL: claim 1  
NTE: additional ring formation specified

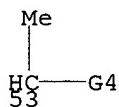
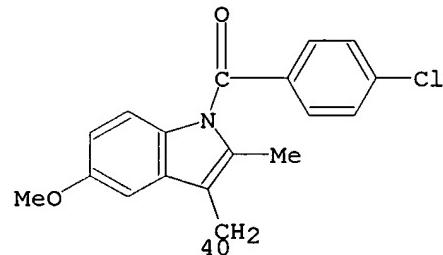
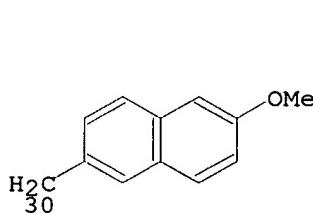
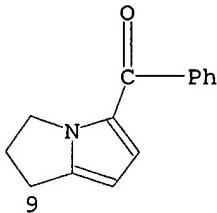
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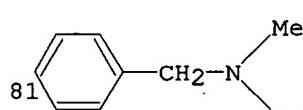
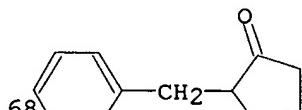
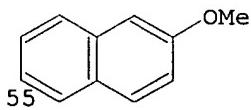
G1 = 89 / Cl / 91



G3 = 9 / 30 / 40 / 53



G4 = 55 / 68 / 81



MPL: claim 15

MSTR 3

G3—G1—G4

G1 = G2 / alkylene (SO)  
G2 = (1-10) CH<sub>2</sub>  
G3 = Cl / Br / NH<sub>2</sub> / alkylamino  
G4 = Cl / Br / I  
MPL: claim 15  
NTE: additional ring formation specified

MSTR 4

G3—G1—OH

G1 = G2 / alkylene (SO)  
G2 = (1-10) CH<sub>2</sub>  
G3 = Cl / Br / NH<sub>2</sub> / alkylamino  
MPL: claim 16  
NTE: additional ring formation specified

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FILE COVERS 1779 TO 1997.

\*\*\* CAS REGISTRY NUMBERS FOR 4,355,879 SUBSTANCES AVAILABLE \*\*\*  
\*\*\* FILE CONTAINS 7,169,346 SUBSTANCES \*\*\*

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